

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR THE
FORMER FORT COLUMBIA MILITARY RESERVATION
PACIFIC COUNTY, WASHINGTON
PROJECT NUMBER F10WA031402

APPENDIX F

STILL PHOTOGRAPH REFERENCES

APPENDIX F

STILL PHOTOGRAPH REFERENCES

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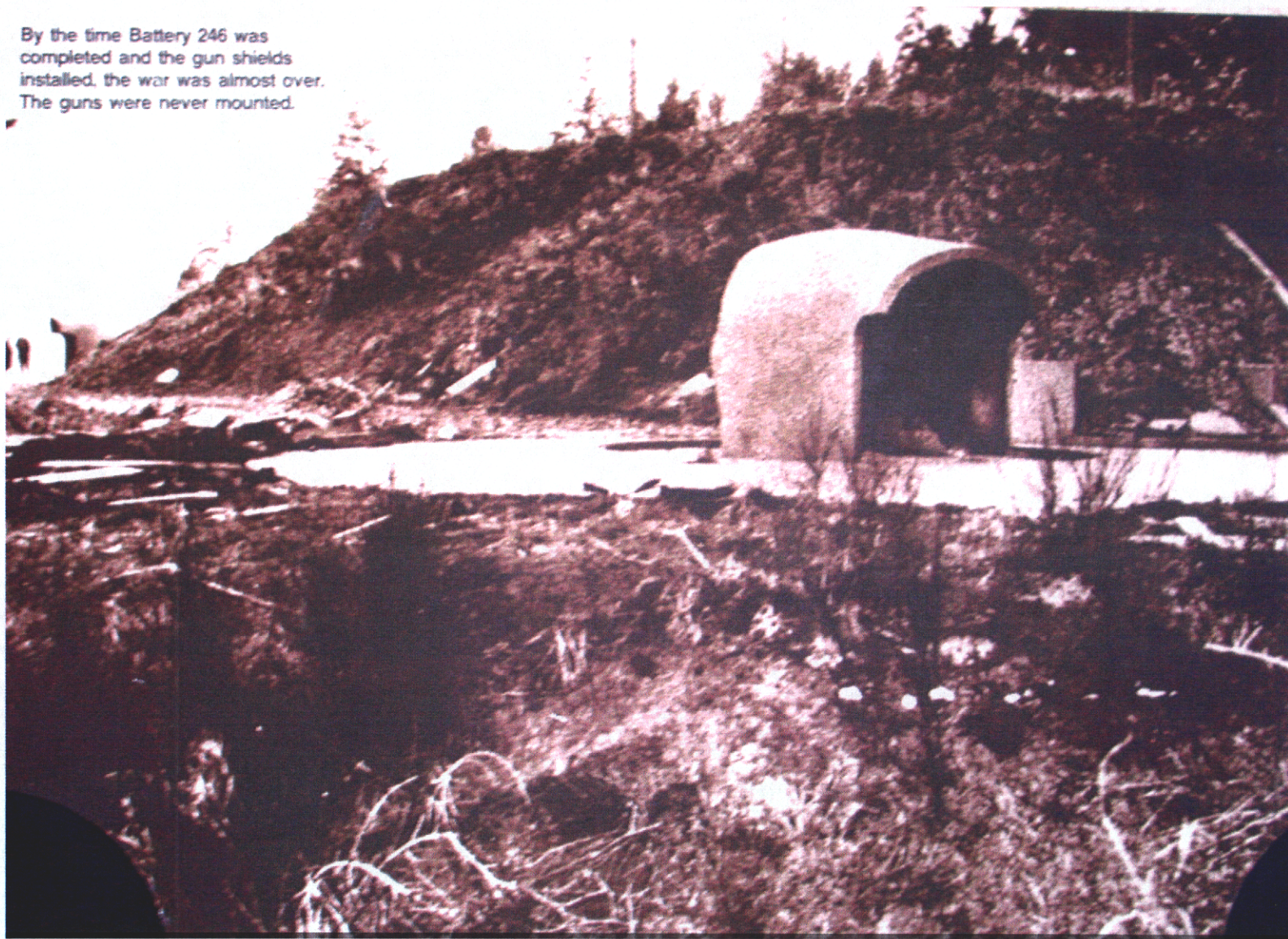
- F-1. Pre WWI, Fort Columbia (B-42).
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- F-3. Battery Murphy Gun Crew, (B-44).
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- F-5. Battery Frank Crenshaw, (B-47).

F-1



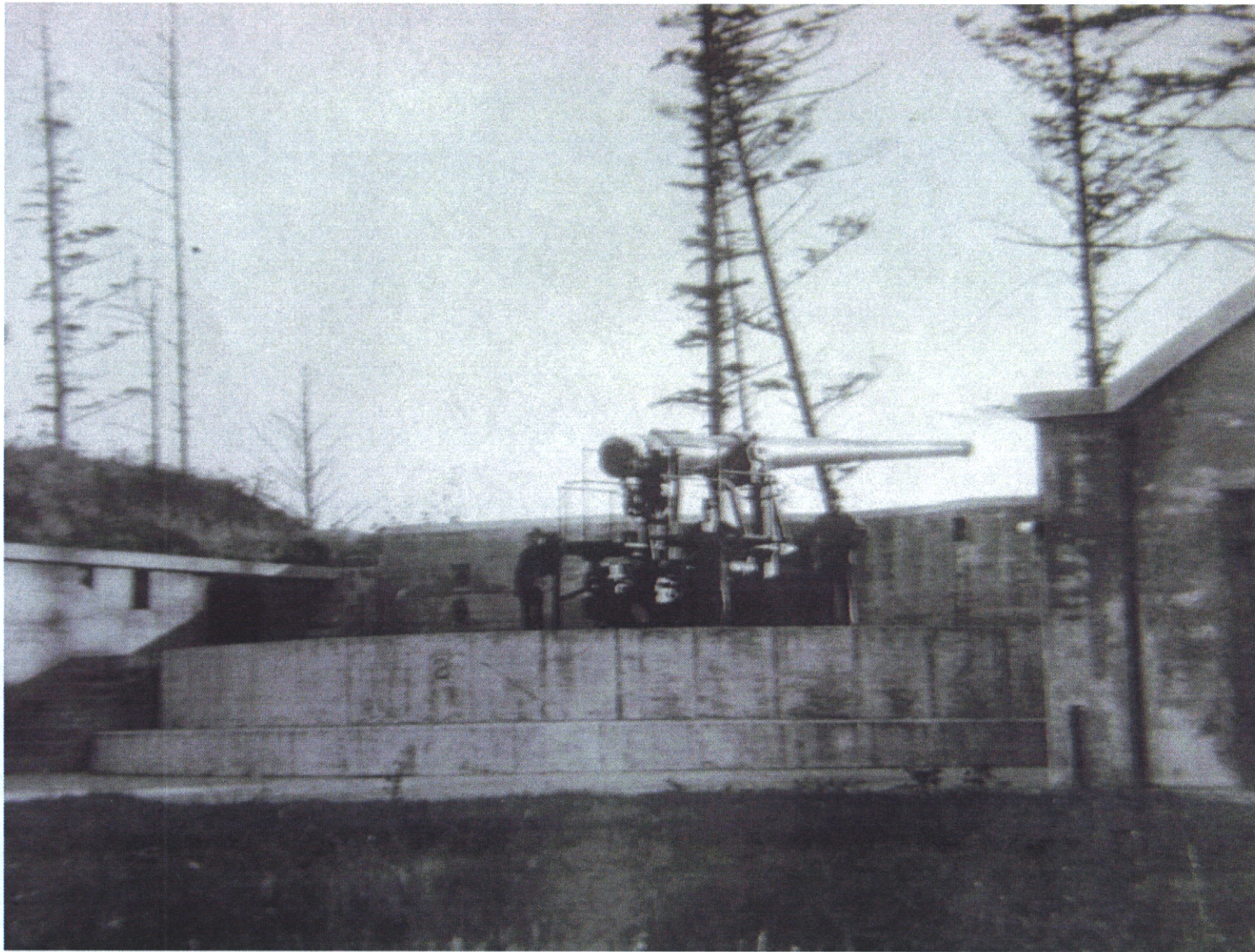
Pre-WWI photograph of enlisted barracks, administration building, officer's quarters and commander's quarters from left to right.

By the time Battery 246 was completed and the gun shields installed, the war was almost over. The guns were never mounted.



Construction of Battery 246, never operational, abandoned as WWII ended.

F-3



Battery Murphy gun crew with their 6-inch Artillery Piece Mounted on its Disappearing Carriage.



1953 Aerial Photograph of Fort Columbia. Locations of former armament facilities and enlisted barracks.

BATTERY FRANK F. CRENSHAW

In honor of Captain Frank F. Crenshaw, 28th Infantry, U.S. Volunteers, who died August 28, 1900, of wounds received in action at Payapa, Philippine Islands, June 5, 1900.



By mid 1898, construction on the first fortifications were completed. Fort Columbia was turned over to Company M, 3rd Artillery. During the next two years, Battery Crenshaw was completed. Three (3 inch) rapid-fire guns were mounted low on the south side of Chinook Point. These guns were used in France during World War I and were never replaced.

Battery Crenshaw was never used at time of war.

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APPENDIX G

MAPS/DRAWINGS REFERENCES

APPENDIX G

MAPS/DRAWINGS REFERENCES

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LEGEND

[EDITION OF APR. 26, 1921.

- 1 ADMINISTRATION BLDG.
- 2
- 3 OFFICER'S QUARTERS.
- 3a SURGEON'S
- 4 HOSPITAL.
- 5 " STWD'S. QRS.
- 6 N.C. OFFICERS QRS.
- 7 BARRACKS.
- 8 GUARD HOUSE.
- 9 POST EXCHANGE.
- 10 OLD POST EXCHANGE.
- 11 GYMNASIUM.
- 12 FIRE APPARATUS HO.
- 13 RESERVOIR.
- 14 BAKERY.
- 15 LAUNDRY.
- 16 OIL HOUSE.
- 17 COAL SHED.
- 18 SHOP.
- 19 STOREHOUSE.
- 100 TEAMSTER'S HOUSE.
- 101 STABLE.
- 102 WAGON SHED.
- 103 DEPOT.
- 104 FORMER S.W. BD. ROOM.
- 105 DORMITORY.
- 31 ORDNANCE ST. HO.

SERIAL NUMBER

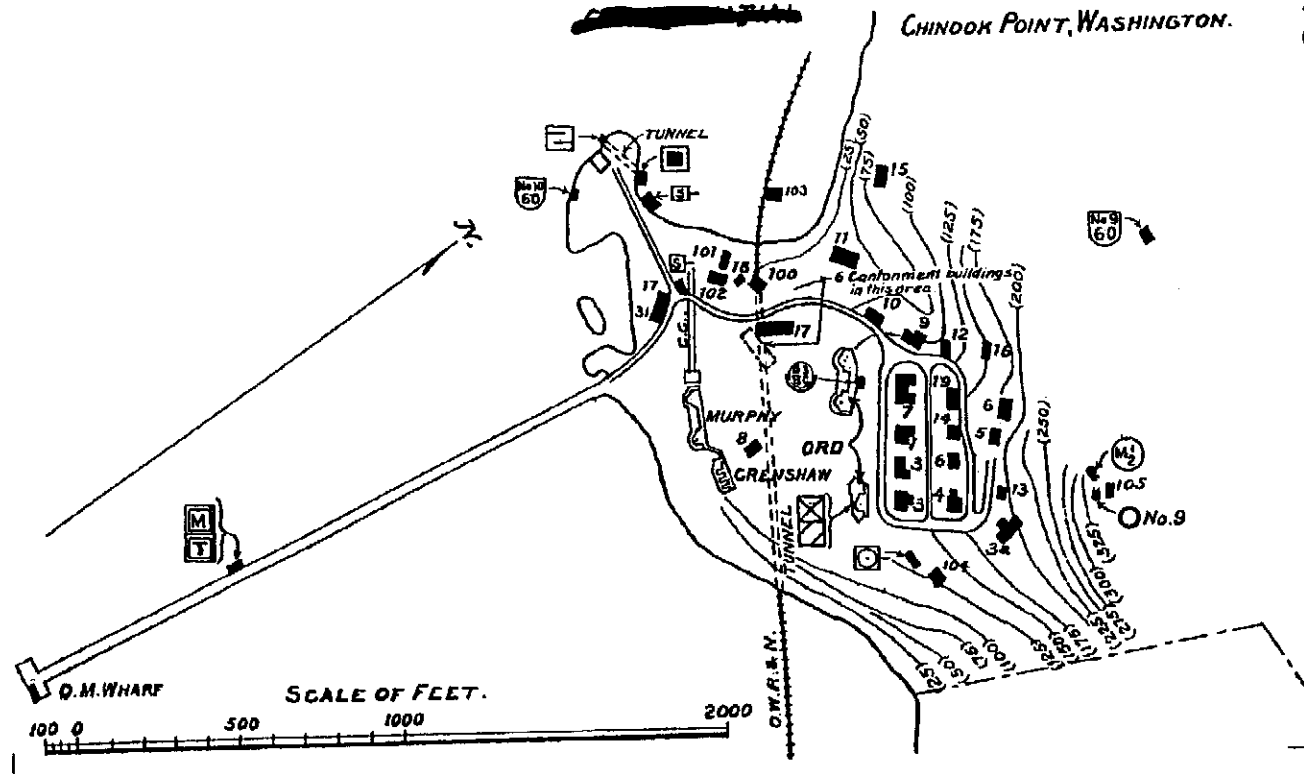
1241

MOUTH OF THE COLUMBIA RIVER
FORT COLUMBIA-D-1.

CHINOOK POINT, WASHINGTON.

BATTERIES

ORD.
 MURPHY. 2-6" Dis.
 GRENSHAW.



G-1

LEGEND.

EDITION OF APR. 23, 1915.
REVISIONS: DEC. 7, 1916;
NOV. 8, 1916; DEC. 15, 1919
APR. 26, 1921.

SERIAL NUMBER

124

MOUTH OF THE COLUMBIA RIVER.

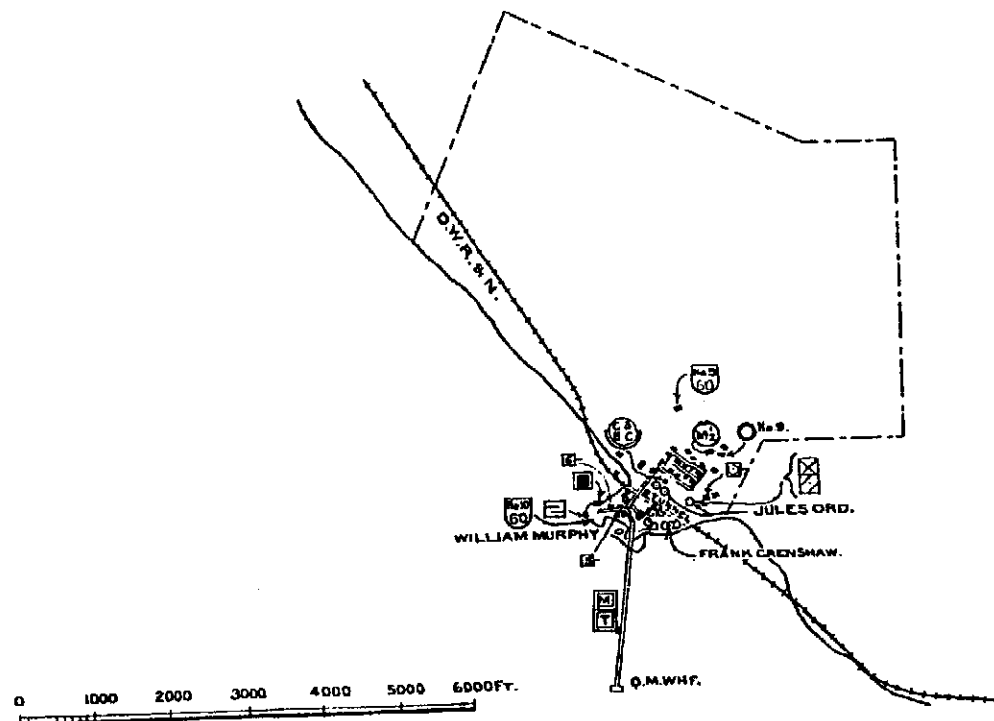
FORT COLUMBIA.

CHINOOK POINT, WASHINGTON.

GENERAL MAP.

BATTERIES

ORD.....
MURPHY.....2-6"
CRENSHAW.....

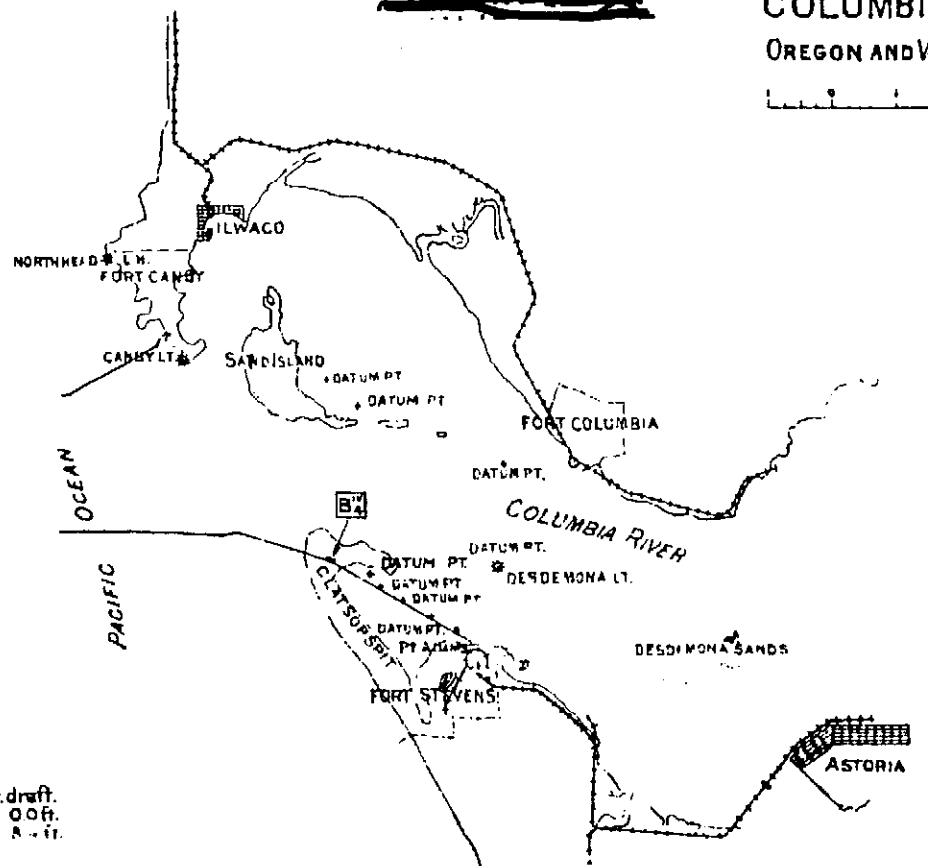


EDITION OF APR 23, 1915.
 REVISIONS NOV. 8, 1916 DEC 13, 1919
 APR. 26, 1921.

SERIAL NUMBER

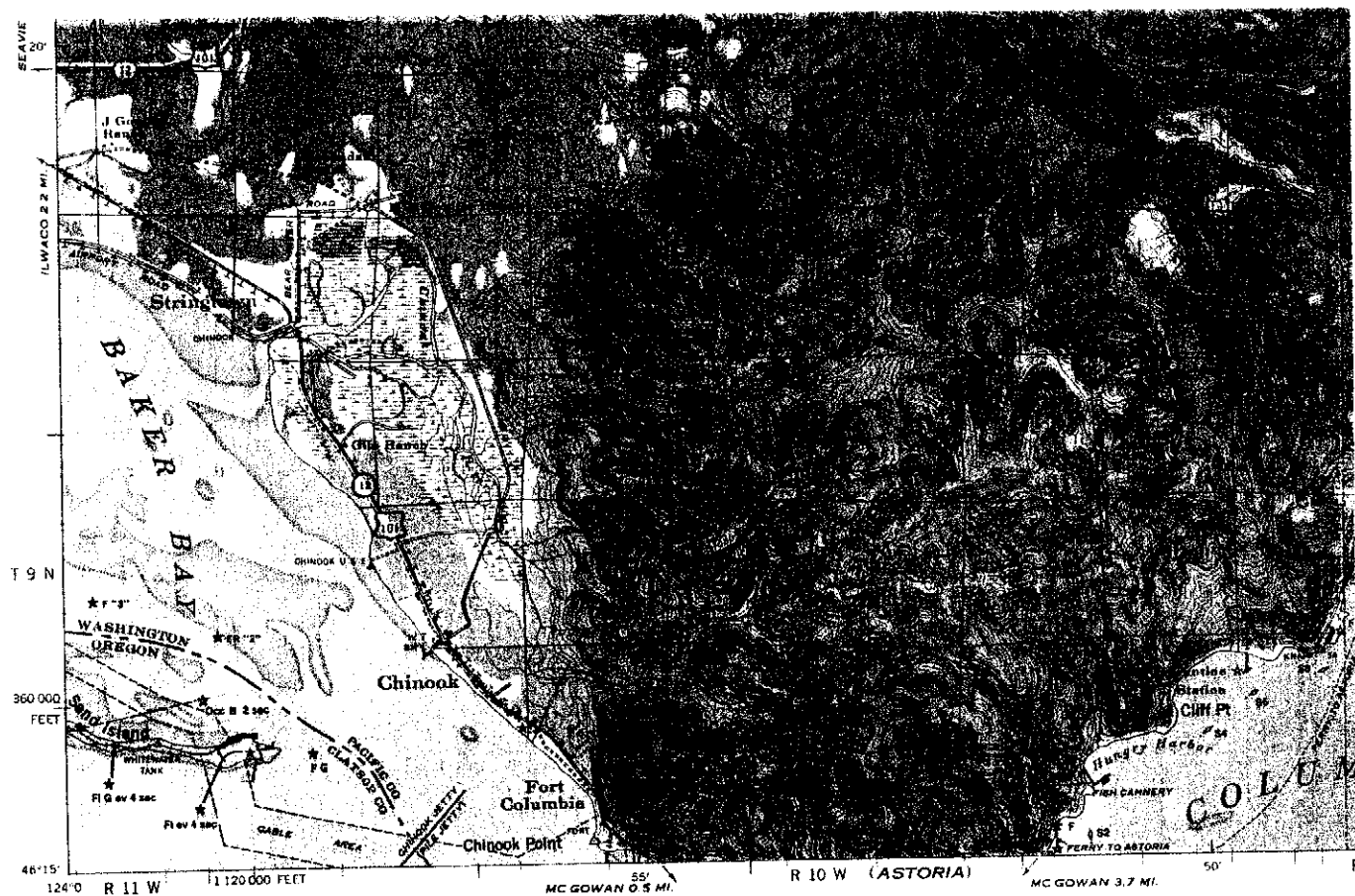
MOUTH OF THE COLUMBIA RIVER OREGON AND WASHINGTON

1 2 3 4 MILES



Safe for vessels of 34 ft. draft.
 M.L.W. O.O.R.
 M.H.W. N.T.T.

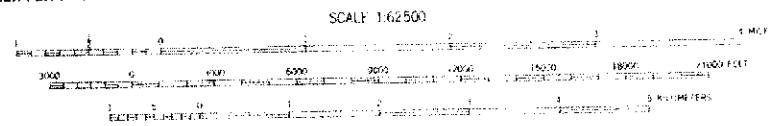
G-2



Prepared under the direction of the Chief of Engineers, U. S. Army, 1938
 Horizontal control by U. S. Coast and Geodetic Survey, 1925 35 and
 29th Engineers, U. S. Army, 1937.
 Vertical control by U. S. Coast and Geodetic Survey, 1934
 and 29th Engineers, U. S. Army, 1937.
 Topography by 29th Engineers, U. S. Army, 1938, from 5-lens
 aerial photographs, using stereo-comparagraph and elevation calculator.
 Polyconic Projection, North American Datum 1927.

ROAD CLASSIFICATION

Dependable hard-surface heavy-duty road	Loose surface graded, dry weather road	U. S. Route
Secondary hard-surface, all-weather road	Unimproved road	State Route
More than two lanes indicated by dots along road with tick at point of change	3-LANE - 4-LANE	

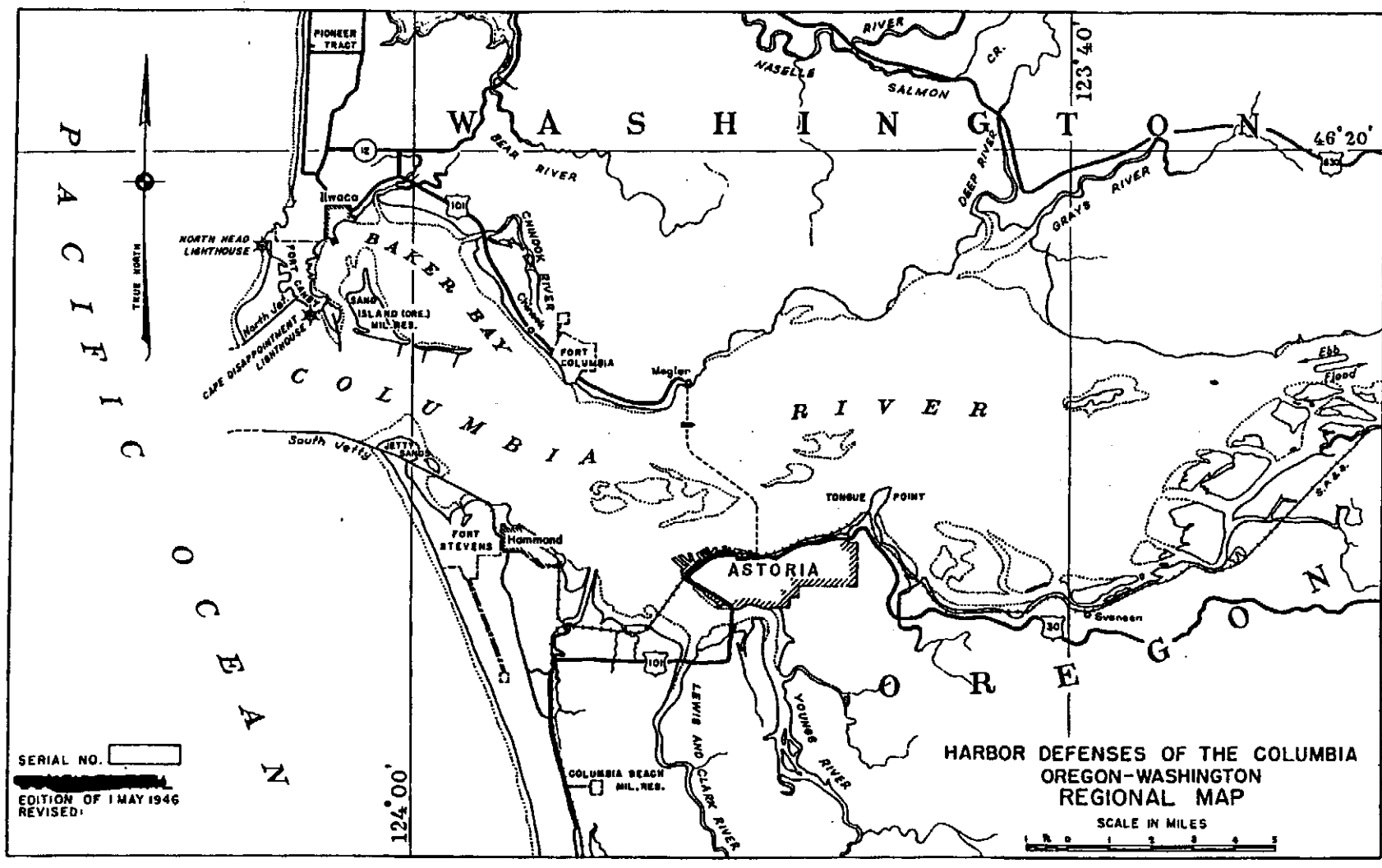


CONTOUR INTERVAL 20 FEET
 DATUM IS MEAN SEA LEVEL

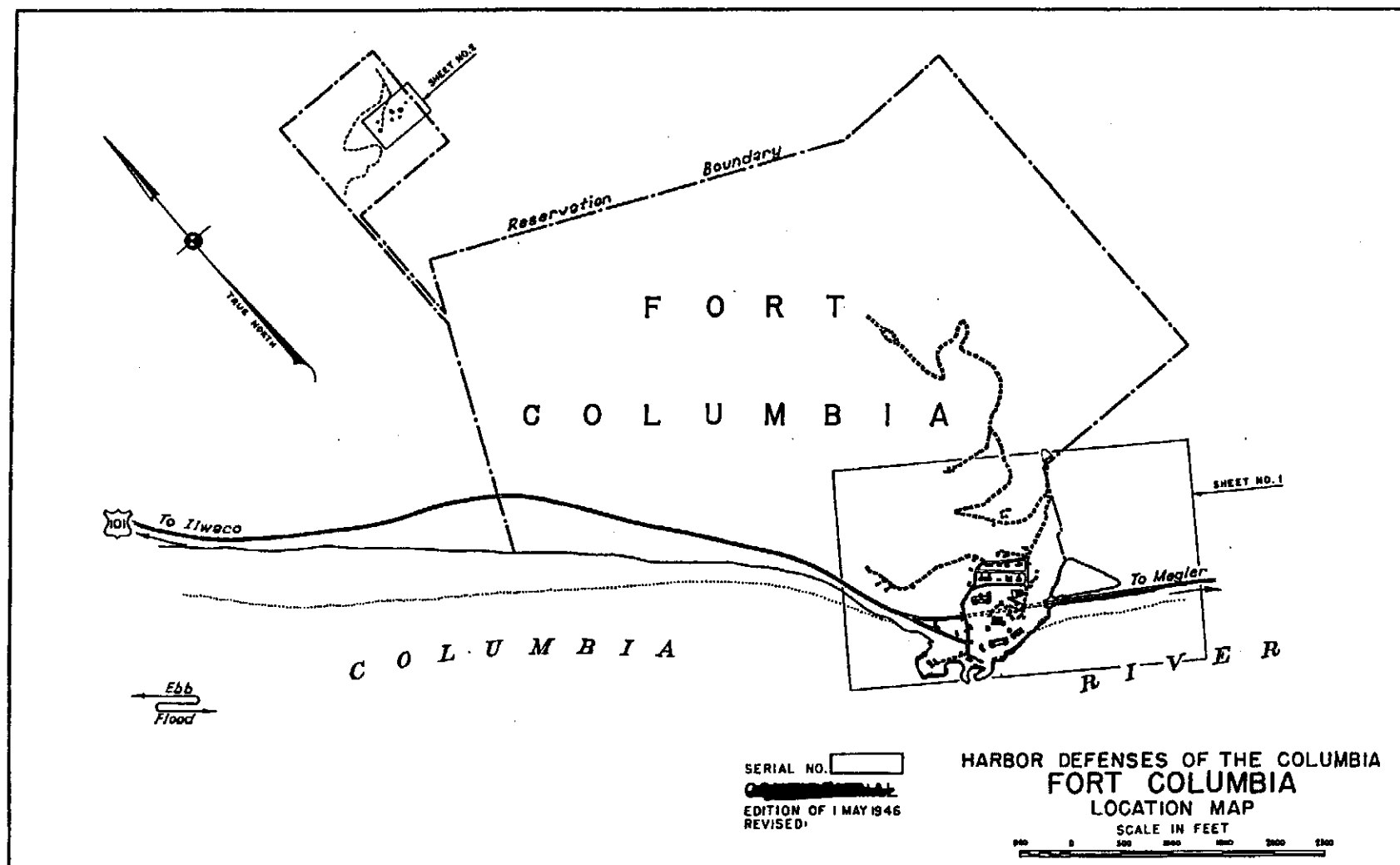
10,000 FOOT GRID TICKS, WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE SHOWN IN BLACK
 1000 METER GRID TICKS, UNIVERSAL TRANSVERSE MERCATOR SYSTEM, ZONE 10, SHOWN IN BLUE

1938

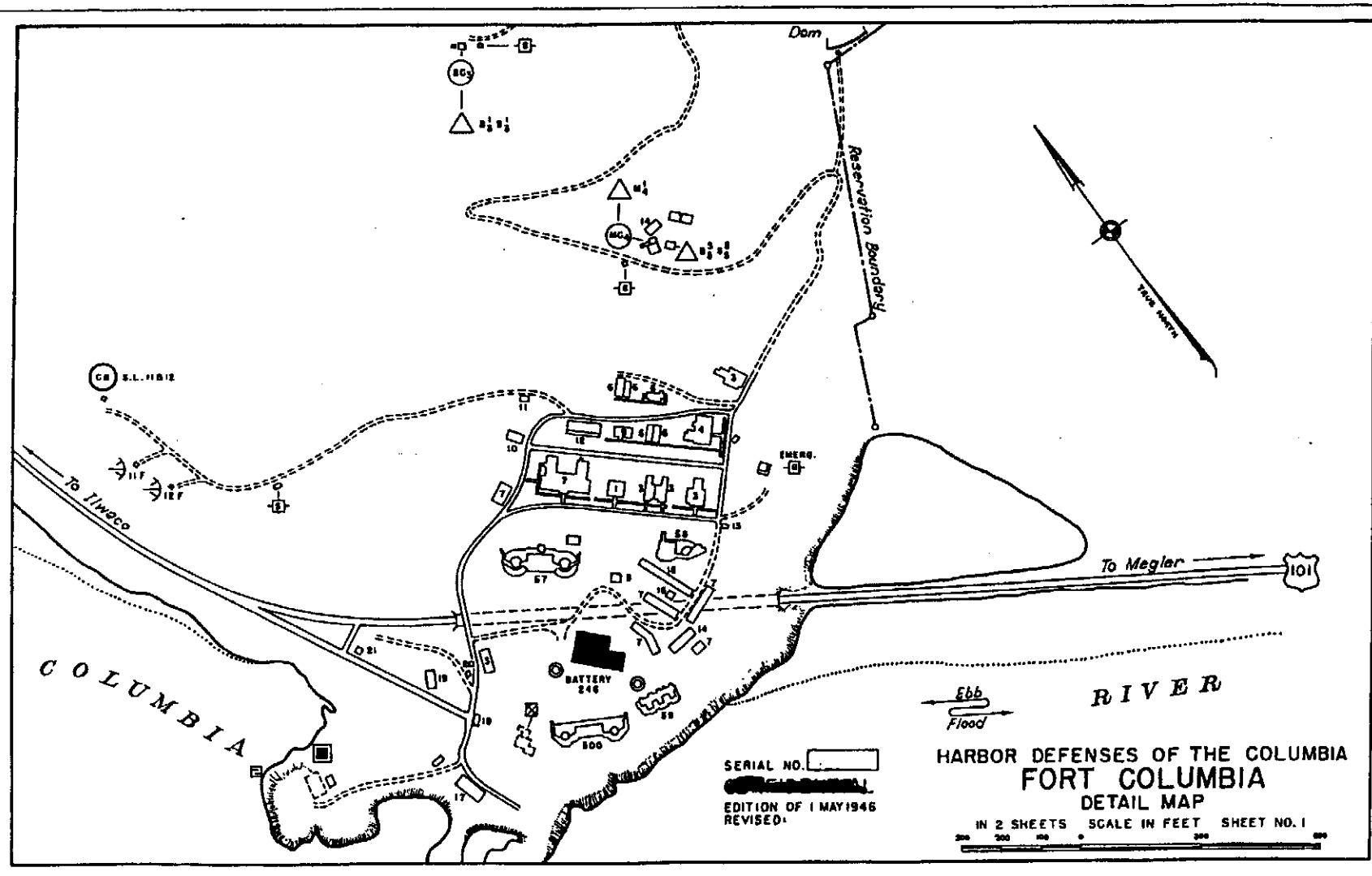
G-3



G-3



G-3




























1. Post Administration Bldg., 1A. 249th Admin. Bldg.
 1B. Q.M. Admin. Bldg., 1C. Court Martial Admin. Bldg.
 1D. Misc. Admin. Bldg., 1E. Admin. and Supply.
 1F. Military & Civ. Admin., 1G. Storehouse & Admin.
 1H. Ordn. & Post Engr. Admin., 1J. Art. Engr. Administration.
 2. Commanding Officers Quarters.
 3. Officers Qtrs, 3A. Officers Mess, 3B. Orderly Room
 3C. Bachelor Officers Qtrs, Mess.
 4. Hospital.
 5. Nurse's Quarters.
 6. Non-Commissioned Officers Quarters.
 7. Barracks., 7A. Isolation Barracks.
 8. Guard House.
 9. Post Exchange, 9A. P.X. Office, 9B. P.X. Beer Parlor.
 10. Fire Station.
 11. Oil House.
 12. Storehouse.
 13. Garage.
 14. Recreation (Day Room), 14A. Officer's Recreation.
 15. Latrine., 15A. Isolation Latrine
 16. Kitchen - Mess.
 17. Theater.
 18. Artillery Shop.
 19. Repair Shop.
 20. Gasoline Station.
 21. Gate House (Guard).
 22. Wood Shed.
 23. Tool House.
 24. Civilian Personnel.
 25. Bakery.
 26. Dispensary.
 27. Mess.
 28. Office (Btry. "B").
 29. Motor Dispatch Office.
 30. Civilian Bachelor Quarters.
 31. Cistern.
 32. Hose Tower and Shop.
 33. Tool and Blacksmith Shop.
 34. Machine Shop.
 35. Drill Hall and Gym.
 36. Signal Corps Repairs and Storage
 37. Fuel Shed.
 38. Non-Com. Officers Club.
 39. Water Tank.
 40. Post Office.
 41. Motor Transp. Repair Shop.
 42. Central Heating Plant.
 43. Paint Shop.
 44. Grease Rack.
 45. Motor Pool Shop.
 46. Gasoline Storage Tank.
 47. Hydrogen Generator.
 48. Waiting Room.
 49. Dock., 49A. Ferry Slip.

50. Battery Mishler (Disarmed)
 51. Battery Walker "
 52. Battery Lewis "
 53. Battery Pratt "
 54. Battery Smur "
 55. Battery Clark "
 56. Battery Russell "
 57. Battery Ord "
 58. Battery Ord, Gun 3 "
 59. Battery Cranshaw "

60. Navy Compass Station
 100. Boat Storage.
 101. Boat House.
 102. Cold Storage Room.
 103. Garbage and Can Washing.
 104. Water Clarifier.
 105. Wash Room.
 106. Shoe Repair Shop.
 107. Typewriter Repair Shop.
 108. Gas Instruction.
 109. Laundry.
 110. Sales Commissary.
 111. Scales.
 112. Indoor Rifle Range.
 113. Camera Tower.

500. Battery Murphy (Disarmed)
 501. Battery O'Flyng "
 502. Battery Guenther "
 503. Battery Allen "
 504. 90mm A.M.T.B. B't'y "
 505. 90mm A.M.T.B. B't'y "

 HOCP Harbor defense command post.
 HECP Harbor entrance command post.
 BC Battery command post.
 EBC Emergency battery command post.
 CB Searchlight controller booth.
 B S Battery observation post, Spotting post.
 M Mine observation post.
 M Meteorological station.
 T Tide station.
 SS Signal station.
 Fire-control switchboard room.
 Combined F-C and post switchboard room.
 Cable terminal.
 P Power house.
 S Pumping plant.
 P-6 Searchlight power house.
 CT Pump-Generator house.
 LR Cable tank.
 R Mine loading room.
 T Radio.
 S Sh Transmitter.
 SL Searchlight shelter.
 SL Searchlight, F, fixed, P, portable, M, mobile.
 SCR Surface craft detection station.

SERIAL NO. 
 EDITION OF 1 MAY 1946
 REVISED

HARBOR DEFENSES OF THE COLUMBIA
 OREGON-WASHINGTON
 LEGEND

NOTE:
See Vicinity Map for buildings 510 & 511

285.13 ACS
FEE (THIS DRAWING)
TO STATE COLLEGE
OF PULLMAN,
PLUS 4000 AC FEE
0.33 EMTS
SEE SE-RE-501

W. 2, 520'

N 65° 30' W 1250'

285.00 ACS FEE
TO STATE OF WASH.

16 15 T. 5 N. R. 15 W. W.M.

N 24° 30' E 2775'

Fort Columbia

Point of Beginning

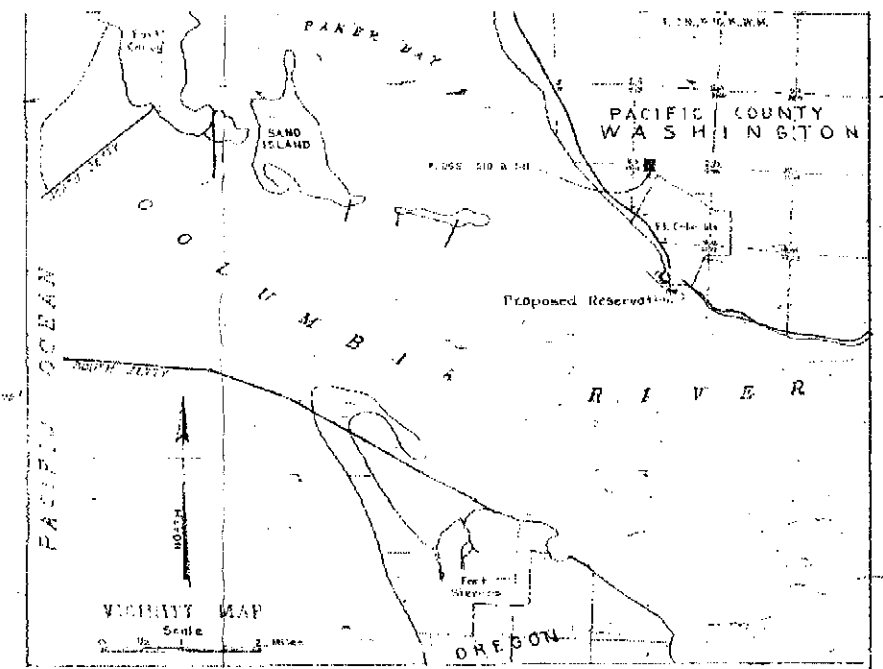
Point of Beginning
FOR RE-ENTRY CORNER

COLUMBIA

285.00 ACRES FEE TO STATE OF WASH. 13 MAY 50 R. 1 V. E. R.
8.10 " FEE TO " " " 20 JUN 54
285.13 ACRES FEE (4000 ACRES ON SE-RE-501) + 0.33 AC EMTS (ALL ON SE-RE-501)
TO STATE COLLEGE OF PULLMAN, 8 SEP 55.
13.60 ACRES FEE TO COUNTY OF PACIFIC, 25 JAN 54.

8.10 ACS FEE
TO STATE OF
WASH.

Revised for use of Real Estate Division
Nov 14, 1947
14 AUG 1947
BR-R
LRH
VO

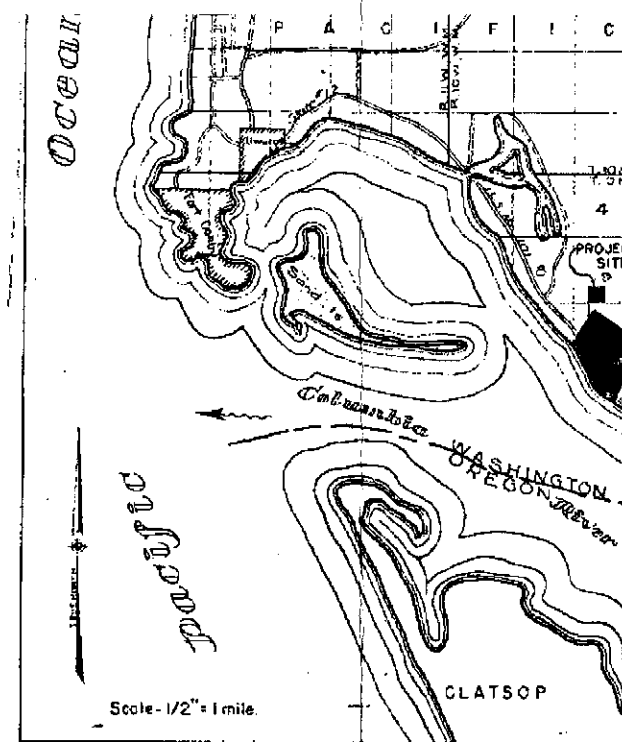
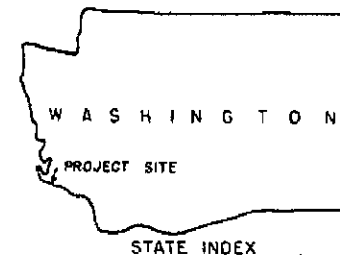


Legend:
Power Lines
Water Mains
Sewer Mains
Limits of Lands requested by Engineers
Abandoned Right-of-Way (hatched)

SOUTH Y COLUMBIA RIVER
CORPS OF ENGINEERS RESERVATION
FORT COLUMBIA, WASHINGTON

SCALE 1/8" = 100'	
U. S. ENGINEER OFFICE, PORTLAND, OREGON, DISTRICT	
APPROVED:	APPROVE:
FORWARDED:	FORWARDED:
RECEIVED:	RECEIVED:

T. 9 N., R. 10 W., W.M.



STATE WASHINGTON
COUNTY PACIFIC
DIVISION PACIFIC
DISTRICT PORTLAND
SERVICE COMMAND NINTH HARBOR DEFENSES OF
USING AGENCY THE COLUMBIA RIVER
6 MILES SE OF ILWACO
1.5 MILES N OF FORT COLUMBIA

— TRANSPORTATION FACILITIES —
RAILROAD
NO. 12 STATE ROAD
U. S. NO. 101 FEDERAL ROAD
AIRLINE

— ACQUISITION —
TOTAL ACRES ACQUIRED 769.68
ACRES FEE 736.35
ACRES LEASED FROM W. D.
ACRES TRANSFERRED TO W. D. 33.00
ACRES DONATED TO W. D.
ACRES LESSER INTERESTS 0.33
— DISPOSALS —
TOTAL ACRES DISPOSED OF 769.68
ACRES TRANSFERRED TO W. A. FEE 591.90
" " " TRANSFER 33.00
" " " LESSER INT. 33
ACRES TO G. S. A. FEE 8.10
ACRES LOST BY EROSION 136.35

— LEGEND —
BOUNDARY LINE
STATE OR PROVINCE LINE
COUNTY LINE
CIVIL DISTRICT PRECINCT
LAND-GRANT LINE
CITY, VILLAGE, OR BOROUGH
CEMETERY, SMALL PARK, ETC.
TOWNSHIP LINE
SECTION LINE

Scale 1" = 300'

ACQUISITION AUTHORIZATION

ORIGINAL ACQUISITION
(ACQUIRED PRIOR TO JULY 1, 1940) 729.35
UNNUMBERED DIRECTIVE DATED 8 MAR 1941

WAR DEPARTMENT, O. C. E.
CONSTRUCTION DIVISION

REAL ESTATE
FORT COLUMBIA
MILITARY RESERVATION

RECOMMENDED: *Ernest H. Barrett* DATE 25 NOV 19
ENGINEER
APPROVED: *P. Barrett* DATE 25 NOV 19
CHIEF, PORTLAND SUB-OFFICE

COMPILED: J. G. S. TRACED: J. G. S. CHECKED: E. W. B.

DATE BY REVISIONS APPROVE
7/15/53 L.M. Due to Final Audit
8/7/53 CME Changed No. from 0-32-35

SHEETS: 1 OF 1 DRAWING NO. SF-RE-501

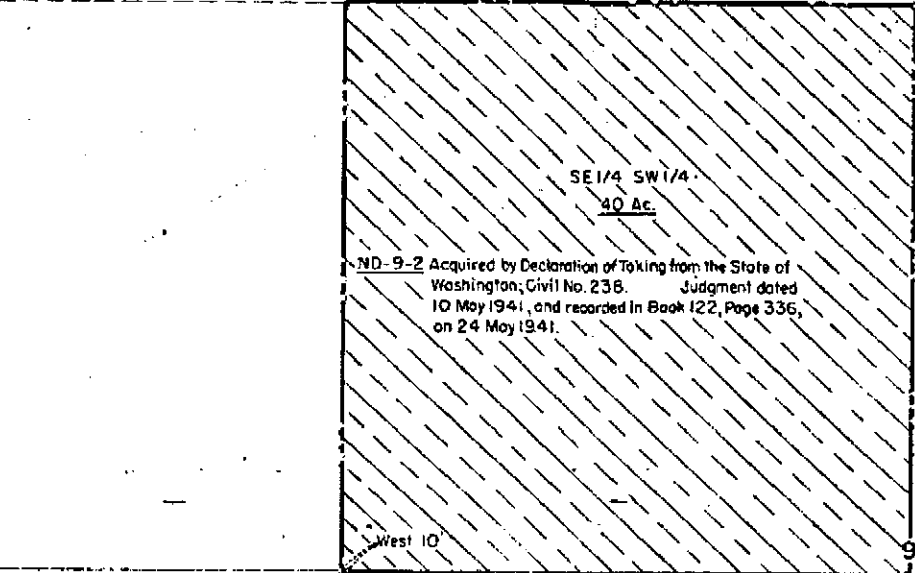
AUDITED

G-5

ACCOUNTABILITY ASSUMED BY WAR ASSETS ADMINISTRATION ON 625.23 ACRES, 1 APRIL 1948.
8.10 ACRES REPORTED EXCESS (GSA Form 30) TO GENERAL SERVICES ADMINISTRATION ON 14 OCTOBER 1953.
WHO CONVEYED 8.10 ACRES BY QUITCLAIM DEED TO THE STATE OF WASHINGTON DATED 20 JUNE 1954.

TRACT NO.	LAND OWNER	ACREAGE		REMARKS
		FEE	LESSER INTERESTS	
ND-9-1	P. J. McGOWAN & SONS		0.33	
ND-9-2	STATE OF WASHINGTON	40.00		

ACQUIRED PRIOR TO 7-1-40
FORT COLUMBIA
MILITARY RESERVATION
729.35 ACRES



ND-9-2 Acquired by Declaration of Taking from the State of Washington; Civil No. 238. Judgment dated 10 May 1941, and recorded in Book 122, Page 336, on 24 May 1941.

ND-9-1: Acquired from P. J. McGowan & Sons by Easement Deed dated 16 May 1941, and recorded in Book 122, Page 524, on 2 September 1941.

N. 24°30'E., 24.11'

Concrete Post

TRUE NORTH

LOT 6

LOT 5

LOT 7

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR THE
FORMER FORT COLUMBIA MILITARY RESERVATION
PACIFIC COUNTY, WASHINGTON
PROJECT NUMBER F10WA031402

APPENDIX H

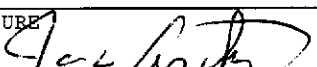
INTERVIEWS

APPENDIX H

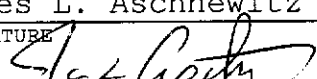
INTERVIEWS

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- H-1. Conversation Record, Interview with MS. Gale Hemmen.
- H-2. Conversation Record, Interview with Mr. William Lund.
- H-3. Conversation Record, Interview with Mr. Dave Hanson.
- H-4. Conservation Record, Interview with Mr. Evan Roberts.
- H-5. Conservation Record, Interview with Mr. Trophy Hughes.

CONVERSATION RECORD		TIME 0930	DATE 20 July 2003
TYPE			
<input type="checkbox"/> VISIT		<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> TELEPHONE
			INCOMING
			OUTGOING
NAME OF PERSON CONTACTED Ms. Gale Hemmen		ORGANIZATION Oregon State Park Service	TELEPHONE NO.
SUBJECT Fort Columbia			
SUMMARY:			
<p>Ms. Gale Hemmen works with the Oregon State Park Service at Fort Stephens which is directly on the other side of the Columbia River from Fort Columbia. She has worked there for over twenty years and is quite familiar with Fort Columbia. She said much of her historical research on the Columbia River defense system also included Fort Columbia. She said that she was unaware of any type of OE related problems at either Fort. Ms. Hemmen said that about ten years ago a fisherman did find an empty floating mine at the very mouth of the Columbia River. She stated that it was never determined where the mine had come from but that it was definitely empty.</p>			
ACTION REQUIRED None			
NAME OF PERSON DOCUMENTING CONVERSATION James L. Aschnewitz		ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER 309-794-5186
SIGNATURE 		TITLE Safety Specialist	DATE 25 July 2003

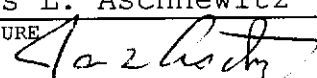
H-1

CONVERSATION RECORD		TIME 1300	DATE 20 July 2003
TYPE			
<input checked="" type="checkbox"/> VISIT		<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input type="checkbox"/> OUTGOING
NAME OF PERSON CONTACTED Mr. William Lund	ORGANIZATION Local Historian	TELEPHONE NO. 503-325-5783	
SUBJECT Fort Columbia			
SUMMARY: Mr. Lund is a local historian that specializes in military history. He provided volunteer work at Fort Columbia several years ago and has done extensive research on the subject site. His prime project at Fort Columbia was to renovate the brig, which was completed about four years ago. Mr. Lund said that he has never heard of any ordnance problems on the subject site. Mr. Lund also said that he did not know of any environmental problems such as burial sites.			
ACTION REQUIRED None			
NAME OF PERSON DOCUMENTING CONVERSATION James L. Aschnewitz	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER 309-794-5186	
SIGNATURE 	TITLE Safety Specialist	DATE 23 July 2003	


H-2

CONVERSATION RECORD		TIME	DATE 16 July 2003
TYPE			
<input type="checkbox"/> VISIT		<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> TELEPHONE <input checked="" type="checkbox"/> INCOMING <input type="checkbox"/> OUTGOING
NAME OF PERSON CONTACTED Mr. David Hansen	ORGANIZATION Office of Archeology and Historic Preservation	TELEPHONE NO. 360-902-0930	
SUBJECT Fort Columbia			
SUMMARY: Mr. David Hansen works for the State Historical Preservation Office and has done a large amount of research on the Columbia River Defense System. He said that Fort Columbia was one of his favorite historical landmarks in the state of Washington. Mr. Hansen has done work at Fort Columbia researching all aspects of historical and cultural. He said that during the research no problems were ever uncovered with ordnance or explosives.			
ACTION REQUIRED None			
NAME OF PERSON DOCUMENTING CONVERSATION James L. Aschnewitz	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER 309-794-5186	
SIGNATURE 	TITLE Safety Specialist	DATE 16 July 2003	

H-3

CONVERSATION RECORD		TIME	DATE 21 July 2003
TYPE			
<input checked="" type="checkbox"/> VISIT		<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING
NAME OF PERSON CONTACTED Mr. Evan Roberts	ORGANIZATION Washington State Park System	TELEPHONE NO. 360-777-8221	
SUBJECT Fort Columbia			
<p>SUMMARY:</p> <p>Mr. Roberts is the Washington State Park Ranger in charge of the Fort Columbia State Park. During the course of this interview Mr. Roberts stated that there has never been any reports of any OE being found on the park property. He added that one battery had been filled in with dirt almost immediately after it was constructed due to a water seepage problem and that he was not sure if anything had been buried during the process. However, he added that since the battery was directly in front of the Commander's house probably only clean fill was used. Mr. Roberts went on to say that he didn't feel that there were any burial sites in the area and that he has never found any evidence to support any other type of chemical contamination. He stated that there was no ordnance in any of the battery shell rooms or in any other structures.</p> <p>Mr. Evans escorted the Site Inspection Team over the entire park. With the exception of several former private homes all the structures on the site were visited.</p>			
ACTION REQUIRED None			
NAME OF PERSON DOCUMENTING CONVERSATION James L. Aschnewitz	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER 309-794-5186	
SIGNATURE 	TITLE Safety Specialist	DATE 28 July 2003	

H-4

CONVERSATION RECORD		TIME 1000	DATE 30 July 2003
<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> X	TELEPHONE
		<input checked="" type="checkbox"/> X	INCOMING
NAME OF PERSON CONTACTED Mr. Trophy Hughes	ORGANIZATION Knowledgeable Person	TELEPHONE NO. 360-777-8412	
SUBJECT Fort Columbia			
<p>SUMMARY:</p> <p>Mr. Trophy Hughes, an extremely knowledgeable person on Fort Columbia, was stationed at the fort for several years before and during WWII. Mr. Hughes said that he was trained at Fort Stevens that is just across the river from Fort Columbia. He then reported in for duty at Fort Columbia. Mr. Hughes was assigned to Battery C, 18th Coastal Artillery and later to the 249th Coastal Artillery. Mr. Hughes duties at the fort were food service and serving as a member of the gun crew. He stated that their training with artillery was focused on firing solid projectiles at towed water targets. The rounds fired were 6 inch TP and occasionally 37mm solid practice rounds. He said they checked their accuracy by watching splashes that could be easily seen in the water. Mr. Hughes stated that High Explosive rounds were never fired from the Fort Columbia batteries. He said that there were no anti-aircraft positions on Fort Columbia. Mr. Hughes stated another interesting fact. He said that he pulled the lanyard on the last round fired for training at Fort Columbia. He also said that there was never a round fired from the fort in anger. Mr. Hughes said that they never trained at Fort Columbia for chemical warfare with any type of chemical agents. He said there was no training facility on-site. Mr. Hughes said that he had been all over the fort at one time or another and that there never was a landfill on the property. He said that when the army saw that the United States was rapidly winning the war and that there was no longer threat from enemy attack the coastal batteries were placed in caretaker status and the guns were removed. He said that battery 246 was never completed. Mr. Hughes served for a time during caretaker status of the fort and then was discharged.</p> <p>Mr. Hughes said that all the ammunition was shipped to Fort Stevens and Army munitions depots. He stated that no ordnance or explosives remained at the fort.</p>			
NAME OF PERSON DOCUMENTING CONVERSATION James L. Aschnewitz	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER 309-794-5186	
SIGNATURE 	TITLE Safety Specialist	DATE 2 July 2003	

H-5

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR THE
FORMER FORT COLUMBIA MILITARY RESERVATION
PACIFIC COUNTY, WASHINGTON
PROJECT NUMBER F10WA031402

APPENDIX I

SITE SAFETY AND HEALTH PLAN

APPENDIX I

SITE SAFETY AND HEALTH PLAN

I-1. Site Safety Health Plan dated 18 July 2003 (B-1).

U.S. ARMY CORPS OF ENGINEERS
 ROCK ISLAND
 DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
 for
 FORMERLY USED DEFENSE SITES
 ORDNANCE AND EXPLOSIVES
 APPENDIX A-310
 former
 FORMER FORT COLUMBIA MILITARY RESERVATION
 PROJECT NUMBER F10WA031401

1. PURPOSE

The purpose of this appendix is to provide specific site characteristics of OE potential for the former Fort Columbia Military Reservation, Pacific County, Washington. This appendix supplements the main safety plan.

2. ON-SITE ORGANIZATION/COORDINATION

Members of the inspection/coordination team are shown in Table A-310.1. The number of inspection personnel team members on-site will not exceed 4 per inspection. Guides, property owners, and escorts are not included in this figure; however, the number of personnel present on the site must be kept to a minimum consistent with safe and efficient inspection practices.

TABLE A-310.1 ON-SITE ORGANIZATION/COORDINATION			
Function	Organization	POC	Telephone
Assessment Team	CEMVR-ED-DO	James L. Aschnewitz* UXO Safety Specialist (EOD)	(309) 794-5186
	CEMVR-ED-DO	Tim Holland UXO Safety Specialist (EOD)	(309) 794-5432
Project Engineer	CEMVR-ED-DO	Robert E. Hoffman Civil Engr, P.E.	(309) 794-5504

TABLE A-310.1 Continued ON-SITE ORGANIZATION/COORDINATION			
Function	Organization	POC	Telephone
Geographic District Support	CENWS-PM-HW	Jonathan Maas District POC	(206) 764-6745
Industrial Hygiene	HSXP-RIA	Bob Platt Hygienist	(309) 794-0806
Division Support	CEHNC-OE-S	Wayne Galloway UXO Safety Spec.	(256) 895-1582 (800) 627-3532
* Team leader			

3. SITE DESCRIPTION

The former Fort Columbia Military Reservation, Pacific County, Washington, consisted of approximately 769.68 acres and was utilized by the United States Army for defense of the Columbia River from 1864 until it was declared surplus to the War Departments needs in 1947. The War Assets Administration accepted responsibility of the site in 1953. The former site is located near the Pacific Ocean near the mouth of the Columbia River.

4. LIST OF EMERGENCY TELEPHONE NUMBERS

TABLE A-310.2 EMERGENCY PHONE NUMBERS		
Functions	Organization	Telephone
County Sheriff	Pacific County Long Beach, WA 98631	(360) 642-9403
Police	Long Beach City Police Long Beach, WA 98631	(360) 642-3416
Hospital	Ocean Beach Hospital Ilwaco, WA 98631	(360)-642-3181
Safety Office	COE, Huntsville, AL	(256) 895-1582
Explosive Ordnance Disposal	53rd Ordnance Company Fort Lewis, WA, 98901	(509) 577-3376

5. ORDNANCE AND EXPLOSIVE PRESENCE POTENTIAL

Table A-310.3 lists potential ordnance and explosive hazards that may be present at the former Fort Columbia Military Reservation.

TABLE A-310.3 POTENTIAL OEW HAZARDS AND EVALUATION		
OEW	HAZ CL/DIV	POTENTIAL HAZARD
Small Arms Ammunition through .50 cal	1.4	Moderate Fire
6-Inch HE Artillery	1.1	Detonation

6. PERSONAL PROTECTIVE CLOTHING

a. Table A-310.4 includes personal protective equipment that must be readily available should it be required/needed. As each site presents a unique set of circumstances, the determination of "need" shall be based on the information in the following table, and determined by the team leader.

TABLE A-310.4 PERSONNEL PROTECTIVE CLOTHING		
Work Area/Zone	Job Function/Task	Level of Clothing
All Areas	Visual Inspection	Safety Shoes
		Hard Hat (as Req'd)
		Eye Protection (as Req'd)
		Hearing Protection

b. Table A-310.5 lists specialized equipment anticipated for general safety purposes. The team leader is responsible for determining appropriate use of the equipment.

TABLE A-310.5
GENERAL EQUIPMENT

Type	Comments
Global Positioning System (GPS)	Used to determine exact locations of OEW and significant landmarks.
First Aid Kit	Used to treat minor injuries
Cellular Phone	Used to request medical or other assistance (as Req'd)

7. SITE SAFETY

a. Standard safety practices will be followed at all times. All personnel accompanying the SI team will be briefed on the team's purpose and the requirement of not disturbing any OE material during the investigation.

b. Intrusive sampling will not be permitted during conduct of inspections. Located ordnance or explosives, as required, will be brought to the attention of the USACE, Huntsville Division Safety Office. Local law enforcement officials will be notified immediately. The handling and disposal of any found ordnance shall be conducted by EOD personnel.

8. SIGNATURES

My signature below signifies that I have read, understand, and will follow the requirements of the above Site Safety Plan for Ordnance and Explosives (OE) Investigation at the former Fort Columbia Military Reservation. Furthermore, I attended and participated in the safety briefing conducted prior to the on-site visit.

Print Name	Signature	Office Symbol/Date
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James L. Aschnewitz

Tim Holland

James L. Aschnewitz 309 794-5186
Tim Holland 309 794-5432